

Middle School Initiative

**PART I
COVER SHEET**

CAP 3 SEMESTER 1 WEEK 3

COURSE: General Jimmy Doolittle Aerospace Education, Achievement 6

LESSON TITLE: Solar System

LENGTH OF LESSON: 50 Minutes

METHOD: Lecture - Performance

REFERENCE(S):

1. *Aerospace Dimensions*, Module 5, Chapter 2, 2000
2. Study Guide, 2000
3. Leader Guide, 2000
4. Resource Guide, 2000

AUDIO/VISUAL AIDS/HANDOUTS/ACTIVITY MATERIAL(S): As Needed

COGNITIVE OBJECTIVE: To learn about our solar system.

COGNITIVE SAMPLES OF BEHAVIOR: Upon completion of this chapter, the cadet should be able to:

1. Describe our solar system.
2. State basic facts about the planets in our solar system.
3. Define a comet.
4. Explain the differences between an asteroid, meteoroid and a meteor.
5. Recall the differences between solar flares, solare prominences and sunspots.

AFFECTIVE OBJECTIVE: N/A

AFFECTIVE SAMPLES OF BEHAVIOR: N/A

Middle School Initiative**PART II
TEACHING PLAN****Introduction**

ATTENTION: Today, you will continue your Aerospace Education studies in *Aerospace Dimensions*, Module 5 with Chapter 2 - Solar System.

MOTIVATION: When you hear the words Solar System, what do you think of? Do you think of our solar system and what makes up our solar system? Did you know that there is one planet in our solar system that rotates in a clockwise manner? Do you know which one? This chapter will answer those questions.

OVERVIEW: During this period, you will continue your aerospace studies with Solar System.

Body

NOTE: The instructor should use the lesson plan in the Leader Guide, Pages 31-36. The cadets should use the Study Guide, Pages 25-27. A materials list is located in the Resource Guide, Page 53-54.

Conclusion

SUMMARY: We have studied the material in *Aerospace Dimensions*, Module 5, Chapter 2.

REMOTIVATION: There are many bits of information that you should know about our solar system. Knowing what makes up our solar system and how each item affects our planet helps you understand our world.

CLOSURE: Next week, we will continue our AE studies with Module 5 activities. **Any questions? See you next week!**

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**PART III
LESSON REVIEW**

LESSON OBJECTIVE(S): Today, we learned how to:

1. Describe our solar system.
2. State basic facts about the planets in our solar system.
3. Define a comet.
4. Explain the differences between an asteroid, meteoroid and a meteor.
5. Recall the differences between solar flares, solare prominences and sunspots.

LESSON QUESTIONS: Contained in *Aerospace Dimensions*, Module 5, Chapter 2.